

ABSTRACT

An apparatus for manufacturing nano-carbon including a laser source (111) which irradiates light to a surface of a graphite rod (101) and a nano-carbon recovery chamber (119) which recovers carbon vapor as nano-carbon, evaporated from the graphite rod (101) by irradiating light, has a contact surface being in contact with the surface of the graphite rod (101) and a holding roller (131) which movably holds the graphite rod (101) by frictional force generated between the contact surface and the surface of the graphite rod (101). The graphite rod (101) rotates and moves by the frictional force generated between the contact surface of the holding roller (131) and the surface of the graphite rod (101), thereby driving the holding roller (131) so that an irradiation position of the light irradiated to the surface of the graphite rod (101) covers over almost the entire area of the surface of the graphite rod (101).